Initiate/request session

Response/successful session initiation

Authentication

Authentication response

Request

Response

Session termination

110

105

Fig. 1

Initiate/request session

Response/successful session initiation

Requests/Responses

Session termination
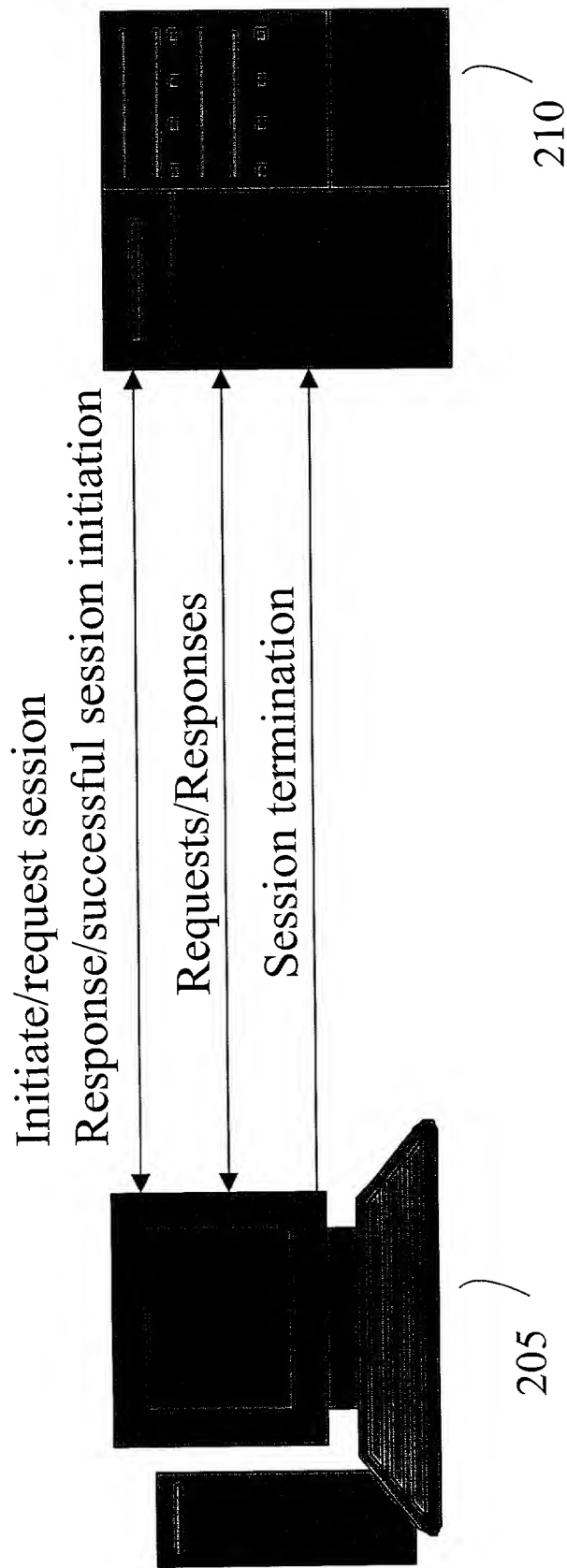
205

210

Fig. 2

Requests that reference objects:

`<search>`   retrieve the attribute values for a set of objects that satisfy a filter

`<retrieve>` retrieve the attribute values for a specified resultset

`<delete>`   delete the objects that satisfy a filter

`<modify>`   change the attribute values for the objects that satisfy a filter

`<count>`   count the number of the objects that satisfy a filter

`<create>`   create a new object (in one substore) and expose it to the rest of the stores

`<expose>`   expose an already created object to the rest of the stores

Administrative requests:

`<auth>`   client turn in an authentication sequence

`<list/>`   list server data of various kinds

`<help/>`   return usage information

Fig. 3

General Error Response:

`<error-response>`   return an error from the corresponding request

Responses to requests that reference objects:

`<search-response>`   return a resultset containing the attributes

`<retrieve-response>` return a resultest containing the attributes

`<delete-response>`   return a resultset with the deleted object ids

`<modify-response>`   return a resultset for the modified objects

`<count-response/>`   return the number of objects that satisfied the filter

`<create-response>`   return a resultset with the new object

`<expose-response>`   return a resultset with the exposed objects

Administrative request responses:

`<auth-response>`   server response in an authentication protocol

`<list-response>`   server data that was requested

`<help-response>`   usage information

Fig. 4